

WHAT IS CLAIMED IS:

1. An information recording disc having a burst cutting area (BCA) for recording control information for a reproducing apparatus by removing a reflective layer of the disc in a striped shape and a data recording area for recording user data, wherein the burst cutting area includes at least one BCA control information area and the BCA control information area comprises:
  - an application identifier area for identifying applications of control data;
  - a data length area for indicating data length of the control data; and
  - an application specific data area for recording the control data.
2. An information recording disc as claimed in Claim 1, wherein a unique identifier indicative of a disc for initializing regional control information for restricting a region enabling reproduction of the user data is recorded in the application identifier area of the BCA control information area.
3. An information recording disc as claimed in Claim 1, wherein a disc identifier code capable of uniquely identifying the information recording disc is recorded in the application specific data area of the BCA control information area.
4. An information recording disc as claimed in Claim 2, wherein a disc identifier code capable of uniquely identifying the information recording disc is recorded in the application specific data area of the BCA control information area.
5. An information recording disc having a lead-in area for recording control information for a reproducing apparatus by unevenness and a data recording area for recording user data, wherein a unique identifier indicative of a disc for initializing regional control information for restricting a region enabling reproduction of the user data is recorded in the lead-in area.

6. An information reproducing drive for reproducing data from a removable information recording medium for recording digital contents having copyright and disc region information indicative of a specific region permitting reproduction of the digital contents, comprising:

an installation region information storage means for storing installation region information for specifying a region in which the information reproducing drive is installed;

a regional information setting counter which is updated each time the installation region information storage means is changed by a drive user;

a manufacturer initialization counter which is updated each time the regional information setting counter is initialized by a drive manufacturer;

a regional comparing means which delivers a regional coincidence signal upon detection through comparison that the disc region information read from the information recording medium is coincident with the installation region information stored in the installation region information storage means;

a reproduction control means which reproduces the digital contents from the information recording medium only when the regional comparing means has delivered the regional coincidence signal;

an initialization medium decision means for deciding whether or not the loaded information recording medium is a drive manufacturer initialization medium;

a regional information updating means which updates, upon receipt of a command of update of the installation region information from the drive user, the installation region information storage means and the regional information setting counter; and

a manufacturer initialization means which, upon receipt of a command of drive manufacturer initialization from the drive manufacturer, initializes the regional information setting counter and updates the manufacturer initialization counter only in case the initialization medium decision means decides that the loaded information recording medium is the drive manufacturer initialization medium and a count of the manufacturer initialization counter is not an initialization limit value.

7. An information reproducing drive as claimed in Claim 6, wherein in case a unique identifier indicative of the drive manufacturer initialization medium is recorded in an application identifier area recorded in a burst cutting area of the loaded information recording medium, the initialization medium decision means decides that the loaded information recording medium is the drive manufacturer initialization medium.

8. An information reproducing drive as claimed in Claim 6, wherein in case a unique identifier indicative of the drive manufacturer initialization medium is recorded in an application identifier area recorded in a burst cutting area of the loaded information recording medium and a further unique identifier indicative of the drive manufacturer initialization medium is recorded in an application identifier area recorded in a lead-in area of the loaded information recording medium, the initialization medium decision means decides that the loaded information recording medium is the drive manufacturer initialization medium.

9. An information reproducing drive as claimed in Claim 6, further comprising:

a code storage means for storing a medium identifier code of the drive manufacturer initialization medium which has been used for the drive

manufacturer initialization by the drive manufacturer;

wherein the manufacturer initialization means stores in the code storage means the medium identifier code read from the drive manufacturer initialization medium.

10. An information reproducing method using an information reproducing drive for reproducing data from a removable information recording medium for recording digital contents having copyright and disc region information indicative of a specific region permitting reproduction of the digital contents, comprising the steps of:

storing in an installation region information storage means installation region information for specifying a region in which the information reproducing drive is installed;

updating a regional information setting counter each time the installation region information storage means is changed by a drive user;

updating a manufacturer initialization counter each time the regional information setting counter is initialized by a drive manufacturer;

delivering from a regional comparing means a regional coincidence signal upon detection through comparison that the disc region information read from the information recording medium is coincident with the installation region information stored in the installation region information storage means;

reproducing the digital contents from the information recording medium only when the regional comparing means has delivered the regional coincidence signal;

deciding whether or not the loaded information recording medium is a drive manufacturer initialization medium;

updating, upon receipt of a command of update of the installation region information from the drive user, the installation region information storage means and the regional information setting counter; and

initializing the regional information setting counter and updating the manufacturer initialization counter upon receipt of a command of drive manufacturer initialization from the drive manufacturer only in case the decision step decides that the loaded information recording medium is the drive manufacturer initialization medium and a count of the manufacturer initialization counter is not an initialization limit value.

11. An information reproducing method as claimed in Claim 10, wherein in case a unique identifier indicative of the drive manufacturer initialization medium is recorded in an application identifier area recorded in a burst cutting area of the loaded information recording medium, the decision step decides that the loaded information recording medium is the drive manufacturer initialization medium.

12. An information reproducing method as claimed in Claim 10, wherein in case a unique identifier indicative of the drive manufacturer initialization medium is recorded in an application identifier area recorded in a burst cutting area of the loaded information recording medium and a further unique identifier indicative of the drive manufacturer initialization medium is recorded in an application identifier area recorded in a lead-in area of the loaded information recording medium, the decision step decides that the loaded information recording medium is the drive manufacturer initialization medium.

13. An information reproducing method as claimed in Claim 10, further comprising the step of:

storing a medium identifier code of the drive manufacturer

initialization medium which has been used for the drive manufacturer initialization  
by the drive manufacturer.